## IMPORTANT MICROBIOLOGY TEXTS FROM MACMILLAN

The most up-to-date single volume on microbiology and its subdisciplines

## INTRODUCTION TO MICROBIOLOGY

By Robert G. Krueger, Ph.D., Mayo School of Medicine; Nicholas W. Gillham, Duke University; and Joseph H. Coggin, Jr., Ph.D., The University of Tennessee and Oak Ridge National Laboratories

This advanced level text for biology and microbiology majors provides the most current coverage of the various subdisciplines of microbiology available in one volume. All essential new and classic information on the standard topics is included; both basic and advanced material is covered. Of special interest are discussions and classifications of fungi, algae, and protozoa in

addition to bacteria; an extensive treatment of virology including bacterial, animal, and oncogenic viruses; an extensive treatment of bacterial and viral genetics; and a thorough study of immunology and immunochemistry. The text represents a unique blending of molecular biology with descriptive biology

March 1973, approx. 775 pages, prob. \$15.95

## MICROBIOLOGY An Introduction to Protists

By J. S. Poindexter, New York University

Microbiology emphasizes the descriptive and conceptual—rather than the physico-chemical aspects of the subject. It treats microorganisms as intrinsically interesting biological individuals rather than as mere pathogens, and describes their structure, growth, and reproduction in detail Applied aspects of microbiology such as disease,

sanitation, and food production are presented as an extension of the book's theme of microbial interaction with the environment. More than 200 micrographs and drawings, lists of recommended references for each part, and a glossary are included.

1970. 582 pages. \$10.95

#### **MICROBIOLOGY**

Sixth Edition

By Kenneth L. Burdon, Professor Emeritus of Microbiology, and Robert P. Williams, Professor of Microbiology, both at Baylor University College of Medicine

This widely adopted text has been thoroughly revised and reorganized to reflect current research in bacterial genetics and metabolism, immunology, allergy, infectious disease, and other areas of

microbiology. It provides a scholarly, yet readable, account of the basic principles and applications of both general and medical microbiology.

1968. 818 pages.

\$9.95

For further information write to:

## MACMILLAN PUBLISHING CO., INC.

100A Brown Street, Riverside, New Jersey 08075

In Canada, write to Collier-Macmillan Canada, Ltd., 1125B Leslie Street, Don Mills, Ontario



The VIBROGEN will homogenize cells, bacteria, yeast, algae, pigments and particles in solution or as a dry powder.

Able to accommodate samples from 2ml to 200ml, the Mill can also be equipped with a continuous feed head to process samples at a rate of 60ml/min

A built-in coil for coolant circulation is supplied to prevent denaturation.

For complete details write

Rho Scientific, Inc.

P. O. Box 295

Commack, N.Y. 11725

# Help us to serve you better....



USE YOUR ZIP CODE

Remember, your zip code provides faster, more direct delivery of your journals. Use it on all correspondence, too.

## MANUAL OF CLINICAL MICROBIOLOGY

Edited by JOHN E. BLAIR, Department of Microbiology, The Roosevelt Hospital, New York; EDWIN H. LENNETTE, Viral and Rickettsial Disease Laboratory, California Department of Public Health, Berkeley; and JOSEPH P. TRUANT, Department of Microbiology, Providence Hospital, Southfield, Michigan. With an expert editorial board of 16 members. Regular edition: \$12.00; student edition: \$7.00. Published by the American Society for Microbiology. Members of the Society may purchase copies of the regular edition at a 50 % discount from the ASM Publications Office, 1913 I Street, N.W., Washington, D.C., 20006.

This manual is designed to be used as a working reference guide in clinical microbiology for the teacher and technologist. It encompasses the fields of clinical bacteriology, mycology, virology, and parasitology. Currently accepted and proven methods are presented which permit the complete microbiological examination of clinical specimens. Procedures are given for the isolation and identification of the medically important bacteria, fungi, viruses, and parasites, with emphasis on those organisms which occur most frequently in infection in man, but with adequate consideration of the rarer forms.

General sections describe the collection and processing of specimens, nutritive and environmental requirements of microorganisms, selection and inoculation of culture media for primary isolation, quality control, formulas of culture media, reagents and stains, and staining procedures.

1970 704 pages

WILLIAMS & WILKINS, 428 E. Preston St., Baltimore, Md. 21202

# Microbio-Logical texts from Saunders

### BRADSHAW: Laboratory Microbiology

New 2nd Edition

A popular manual revised—featuring a new chapter on applied microbiology which includes water testing. bacterial growth curves, and two experiments on milk microbiology. The chapter on ecology contains a new experiment on nitrogen fixation, and there's also a new one on blood typing in the medical chapter. Teacher's manual to be available with this edition. By L. Jack Bradshaw, California State College, Fullerton. About 310 pp., illustd. Ready May. Order no. 1906.

## CARPENTER: Microbiology

New 3rd Edition

This ideal text for a one-semester introductory course, now completely revised, stresses the ecologic relationships and roles of microorganisms in both natural and controlled environments. Includes a discussion of current ecologic problems, a new chapter on resistance and immunity, and a new four-chapter sequence on infectious diseases. By Phillip L. Carpenter, Univ. of Rhode Island. 496 pp. 344 ill. \$9.50. Jan. 1972. Order no. 2437.

### FROBISHER & FUERST: Microbiology in Health & Disease

New 13th Edition

Now tailored even more closely to the needs of members of the allied health professions involved in clinical work. Completely revised and updated, this new edition gives the reader a firm understanding of the role microbiology plays in disease and specifically shows how to apply this knowledge in clinical situations. By Martin Frobisher, Sc.D., Johns Hopkins Univ. Medical School, and Robert Fuerst, Ph.D., Texas Woman's Univ. About 690 pp., 270 figs. About \$9.00. Ready May. Order No. 3938.

#### **FUERST:**

## Laboratory Manual and Workbook for Microbiology in Health & Disease

New 5th Edition

Useful with any microbiology text, but ideally suited for use with Frobisher & Fuerst's text described above. Exercises range from microscope use, morphology and staining to sterilization, sanitation, immunity and pathogenic microorganisms. By Robert Fuerst, Ph.D. In preparation. Ready May. Order No. 3942.

W. B. SAUNDER	S COMPANY	
West Washington Square, Philadelphia, Pa. 19105		
Please send me the following books for my personal library, bill me		
Order no. and author	Course title	Present text
NAME	ADDRESS	
		BR373

## SPORES V

Edited by
HARLYN O. HALVORSON, RICHARD HANSON, AND
L. LEON CAMPBELL

A publication comprising the papers presented at the Fifth International Spore Conference, held at Fontana, Wisconsin, 8–10 October 1971.

This book contains reviews as well as reports of original and basic research in eight related areas of interest regarding spores.

- 1. Structure and chemical nature of spores.
- 2. Genetics of spore forms.
- 3. Biochemical changes during sporulation: Sporulation-related events.
- 4. Regulation of macromolecular synthesis during sporulation and outgrowth.
- 5. Ecology of spore forms.
- 6. Immunology of spores and spore forms.
- 7. Cryptobiosis: Dormancy and its alterations.
- 8. Biochemical mechanisms of germination.

This book will serve as a valuable resource book for investigators, teachers, students, industry, and libraries.

1972 471 pages \$10\*

Publications Office

AMERICAN SOCIETY FOR MICROBIOLOGY
1913 | St., N.W.

Washington, D.C. 20006

<sup>\*</sup> Members of ASM are entitled to purchase copies for personal use at the member price of \$5 per copy.

### FERMENTATION TECHNOLOGY TODAY

## Proceedings of the IVth International Fermentation Symposium Edited by Dr. Gyozo Terui

This volume contains all the papers presented at the focal topic sessions of the IV International Fermentation Symposium held in Kyoto during March 19-25, 1972. Valuable, up-to-date information in the field of fermentation technology is presented.

Fermentation Technology Today is now in press, and is to be published during November, 1972.

#### Contents include:

(1) Fermentation Dynamics; (2) Mass Transfer and Scale-up; (3) Continuous Culture; (4) Instrumentation for Process Control; (5) Genetics Applied to Process Improvement; (6) Amino Acids and Nucleic Acid-Related Products by Fermentation; (7) Microbial Enzymes; (8) Water-Insoluble Enzyme Derivatives; (9) Physiologically Active Substances by Fermentation; (10) Biomass from Noncarbohydrate Organic Substances; (11) Utilization of Autotrophic Microbes; (12) Microbiological Waste Treatment; (13) Recent Progress in Traditional Fermentation Industries; (14) Tissue Culture; (15) Novel Fermentation Products; (16) Production and Use of Enzymes Active in Hydrolyzing Cell Walls and Related Substances; (17) Process Design and Product Recovery; (18) Taxonomy and Ecology of Yeasts; (19) Subcellular Structure and Function of Yeasts; (20) Sexuality, Gene Action, and Breeding of Yeasts; Opening and Closing Lectures.

Index of subjects and authors, ca. 900 pages. Published by the Society of Fermentation Technology, Japan. Distributed by the American Society for Microbiology.

Available at \$18 per copy from: Publications Office American Society for Microbiology 1913 I Street, N.W. Washington, D. C. 20006

## New 12-place **Dispens-O-Disc Dispenser** for large petri dish

The newest in sensitivity testing is our lightweight 12-place D-O-D Dispenser for use with the 150 mm petri dish. The new Dispenser places 12 discs in an optimum pattern with equal distance between discs for accurate and unobstructed zone measurement with no coalescing.

The light, compact 71/2"-high Dispenser assures easy one-hand operation. It is self-centering over the plate, providing a

The 12-magazine D-O-D Dispenser is supplied with a moisture proof storage container with indicator desiccant.

Same Dispens-O-Disc magazine fits both 8- and 12-magazine dispensers

